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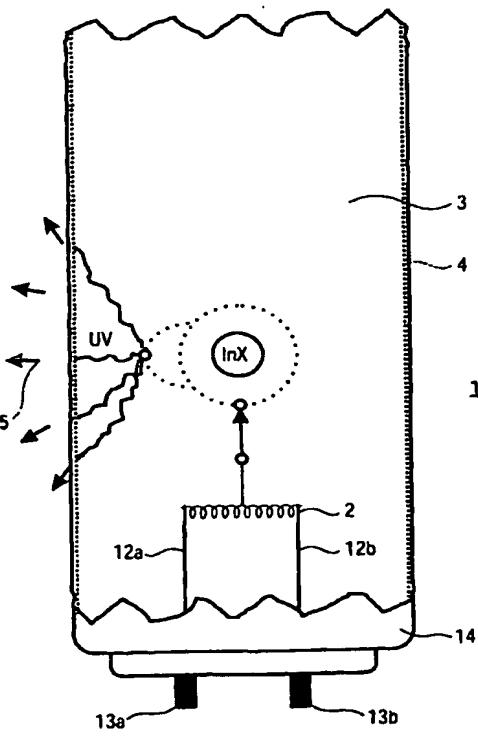
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(54) Title: LOW-PRESSURE VAPOR DISCHARGE LAMP WITH A MERCURY-FREE GAS FILLING



(57) **Abstract:** A low-pressure vapor discharge lamp has a radiation-transmitting discharge vessel (1) enclosing, in a gastight manner, a discharge space (3) provided with a gas filling. The gas filling is substantially free of mercury and comprises an indium compound and a buffer gas. The discharge vessel (1) comprises discharge means (2) for maintaining a gas discharge in the discharge space (3). The discharge vessel (1) is provided with a luminescent layer (4). The luminescent layer (4) comprises a luminescent material based on a nitridosilicate or on an oxonitridosilicate. Preferably, the luminescent material comprises rare-earth emitters. Preferably, the luminescent material comprises europium, cerium, or ytterbium emitters.

WO 2005/045881 A1